

The ConductiSense range of Conductivity meters from Pi utilise the a range of conductivity sensors for measuring the conductivity from 0 to 2,000,000  $\mu$ S/cm<sup>2</sup> (range selectable). You can choose between a standard graphite sensor and a more sophisticated toroidal sensor, or stainless steel 'special' sensors for high temperature, high pressure applications.

- Low purchase cost
- Low cost of ownership
- Resists coating, corrosion and fouling
- Durable Noryl/stainless steel construction
- Easy installation
- Custom tee for in-line mounting
- TDS and salinity outputs

The ConductiSense sensors and accessories are available with different controllers giving you the same great performance with different communication, display, and control options. With the ConductiSense range of Conductivity Monitors, you get everything that you need - and nothing that you don't.

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# **Principle of Operation**

### Graphite

Our light industrial conductivity sensor utilises Graphite technology. The durable epoxy body construction provides a rugged and dependable sensor for potable water and clean water. Mount them in-line, in a pipe "T" fitting, or submerse them into a tank. For many applications, the epoxy body conductivity sensors are the lowest cost, most reliable conductivity sensor to use, especially for process applications. Rugged epoxy bodies make the sensors virtually unbreakable. These are an excellent choice to use as standard online conductivity electrodes in the water and related industries.





# **TDS and Salinity**

Total Dissolved Solids (TDS) and salinity are both measured with conductivity sensors, and the Pi controllers can provide outputs and on screen displays of calculated TDS and salinity readings from the conductivity sensors. All ConductiSense controllers come with standard user adjustable, factors for calculating TDS and salinity.

## Specification\*

### Standard Graphite Sensor

Type: Measuring range:

Cell Constants: Measuring Surface: Body Material: Max Temperature: Max Pressure: Temp Comp: Cable: 0-1000 µS/cm<sup>2</sup> (other ranges available on request) k=0.1, 1, 10 Graphite Epoxy 70 Degrees C 7.5 Bar Included 22 AWG 4-wire, for temperature compensated type. 3ft standard unless otherwise specified

## Specification\*

#### Advanced Toroidal Sensor

Туре:	Toroi
Measuring Range:	500-2
	mS/c
Body Material:	Noryl
Max Temperature:	105 E
Max Pressure:	10 Ba
Temp Comp:	Inclu
Cable Length :	6 me
Process Connection:	3/4"

Toroidal 500-2,000,000 µS/cm<sup>2</sup> (0.5-2000 mS/cm<sup>2</sup>) Noryl 105 Degrees C 10 Bar Included 6 metres, 6 conductor plus shields 3/4" MNPT for submersion, 2" standard tee with adapter



Graphite

For specialist high temperature applications, please contact Pi or your local sales organisation for more details.

\*All subject to change without notice

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